

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 A63H33/04 B25J9/00 B25J9/08 B25J9/16																					
According to International Patent Classification (IPC) or to both national classification and IPC																					
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 A63H B25J																					
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched																					
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data																					
C. DOCUMENTS CONSIDERED TO BE RELEVANT <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Category</th> <th style="text-align: left; padding: 2px;">Citation of document, with indication, where appropriate, of the relevant passages</th> <th style="text-align: left; padding: 2px;">Relevant to claim No.</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">X</td> <td style="padding: 2px;">US 5 452 199 A (MURATA SATOSHI) 19 September 1995 (1995-09-19) column 1, line 35 -column 2, line 34 column 3, line 43 -column 4, line 54; figures 1-4 ---</td> <td style="padding: 2px;">1-8, 10</td> </tr> <tr> <td style="padding: 2px;">A</td> <td style="padding: 2px;">MURATA S ET AL: "Self-assembling machine" , ROBOTICS AND AUTOMATION, 1994. PROCEEDINGS., 1994 IEEE INTERNATIONAL CONFERENCE ON SAN DIEGO, CA, USA 8-13 MAY 1994, LOS ALAMITOS, CA, USA, IEEE COMPUT. SOC, PAGE(S) 441-448 XP010097674 ISBN: 0-8186-5330-2 cited in the application column 1, paragraph 2 -column 2, paragraph 4; figures 1-9 column 3, paragraph 1 -column 6, paragraph 3 ---</td> <td style="padding: 2px;">9</td> </tr> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">2-4, 8, 10</td> </tr> <tr> <td style="padding: 2px;">A</td> <td style="padding: 2px;">-</td> <td style="padding: 2px;">1</td> </tr> <tr> <td></td> <td style="text-align: center; padding: 2px;">-/-</td> <td></td> </tr> </tbody> </table>					Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	X	US 5 452 199 A (MURATA SATOSHI) 19 September 1995 (1995-09-19) column 1, line 35 -column 2, line 34 column 3, line 43 -column 4, line 54; figures 1-4 ---	1-8, 10	A	MURATA S ET AL: "Self-assembling machine" , ROBOTICS AND AUTOMATION, 1994. PROCEEDINGS., 1994 IEEE INTERNATIONAL CONFERENCE ON SAN DIEGO, CA, USA 8-13 MAY 1994, LOS ALAMITOS, CA, USA, IEEE COMPUT. SOC, PAGE(S) 441-448 XP010097674 ISBN: 0-8186-5330-2 cited in the application column 1, paragraph 2 -column 2, paragraph 4; figures 1-9 column 3, paragraph 1 -column 6, paragraph 3 ---	9	Y	2-4, 8, 10	A	-	1		-/-	
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<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C.		<input checked="" type="checkbox"/> Patent family members are listed in annex.																			
° Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed																					
"T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family																					
Date of the actual completion of the international search		Date of mailing of the international search report																			
24 March 2004		01/04/2004																			
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel: (+31-70) 340-2040, Tx. 31 651 epo nl Fax: (+31-70) 340-3016		Authorized officer Brumme, I																			

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	SOLEM J C: "Self-assembling micrites based on the Platonic solids", ROBOTICS AND AUTONOMOUS SYSTEMS, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, VOL. 38, NR. 2, PAGE(S) 69-92 XP004339634 ISSN: 0921-8890	1
A	page 77, paragraph 2 -page 91, paragraph 6; figures 3-18 ---	2-10
X	US 6 157 872 A (MICHAEL JOSEPH) 5 December 2000 (2000-12-05) column 13, line 1 -column 14, line 62; figures 1,2 ---	1-3
A	HOSOKAWA K ET AL: "SELF-ORGANIZING COLLECTIVE ROBOTS WITH MORPHOGENESIS IN A VERTICAL PLANE", PROCEEDINGS OF THE 1998 IEEE INTERNATIONAL CONFERENCE ON ROBOTICS AND AUTOMATION. ICRA '98. LEUVEN, BE, MAY 16 - 20, 1998, PROCEEDINGS OF THE IEEE INTERNATIONAL CONFERENCE ON ROBOTICS AND AUTOMATION, NEW YORK, NY: IEEE, US, VOL. VOL. 4 CONF. 15, PAGE XP000784514 ISBN: 0-7803-4301-8 the whole document ---	1-10
A	US 4 608 525 A (IHARA HIROKAZU ET AL) 26 August 1986 (1986-08-26) column 1, line 33 -column 3, line 29; claim 1; figures 1,2,6-13 ----	1-10

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